

SUBSTITUTE FORM PTO-1449 (MODIFIED)		DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 07422/013001	SERIAL NO. 09/189,415
MAY 07 1999 JC17 PATENT & TRADEMARK OFFICE (Use several sheets if necessary)		APPLICANT: Finlay et al.		
		FILING DATE 11/10/98	GROUP 164T 1645	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
							YES
	AB						
	AC						

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

SD	AD	Paton et al., "Escherichia coli translocated intimin receptor, putative chaperon protein, and intimin (eaeA) genes", DATABASE EMBL - EMPRO Entry/Acc. No. AF025311, 11/1/97
	AE	Paton et al., "Escherichia coli strain 95SF2 translocation intimin receptor Tir (tir) gene, complete CDs; and unknown gene", Entry/Acc. No. AF070067, 6/24/98
	AF	Paton et al., "Translocated intimin receptors (Tir) of Shiga-toxigenic Escherichia coli isolates belonging to serogroups O26, O111, and O157 react with sera from patients with hemolytic-uremic syndrome and exhibit marked sequence heterogeneity," <i>Infection and Immunity</i> , vol. 66, no. 11, 11/98, pp. 5580-6
	AG	Kenny et al., "Intimin-dependent binding of enteropathogenic Escherichia coli to host cells triggers novel signaling events, including tyrosine phosphorylation of phospholipase C-gamma1," <i>Infection and Immunity</i> , vol. 65, no. 7, July 1997, pp. 2528-36
	AH	Kenny et al., "Enteropathogenic E. Coli (EPEC) transfers its receptor for intimate adherence into mammalian cells," <i>Cell</i> , vol. 91, 11/14/97, pp. 511-20
SD	AI	Deibel et al., "EspE, a novel secreted protein of attaching and effacing bacteria, is directly translocated into infected host cells, where it appears as a tyrosine-phosphorylated 90 kDa protein," <i>Molecular Microbiology</i> , vol. 28, no. 3, May 1998, pp. 463-74

EXAMINER	SD	DATE CONSIDERED
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
07422/013001SERIAL NO.
09/189,415INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

OCT 12 1999

PATENT & TRADEMARK

APPLICANT:
Finlay et al.FILING DATE
11/10/98

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OCT 15 1999

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	TECH CENTER 1600/2600 FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
	AB						YES
	AC						NO

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

SD	AJ	Roshenshine et al., "Pathogenic bacterium triggers epithelial signals to form a functional bacterial receptor that mediates actin pseudopod formation," <i>The EMBO Journal</i> , vol. 15, no. 11, 1996, pp. 2613-2624
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EXAMINER	SD	DATE CONSIDERED	Feb. 06
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 07422/013001	SERIAL NO. 09/189,415		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		<p style="text-align: center;">O I P E FEB 16 1999 P A T E N T & T R A D E M A R K O F F I C E L A</p> <p>APPLICANT: Finlay et al.</p> <p>FILING DATE 11/10/98</p> <p>GROUP 1641 1665</p>					
(37 CFR 1.98(b))							
PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS SUBCLASS FILING DATE IF APPROPRIATE		
	AA						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS SUBCLASS	TRANSLATION	
SD	AB	CA 2 078 716 A	3/22/94	Canada		YES	NO
SD	AC	WO 97 40063	10/30/97	PCT			
OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)							
SD	AD	Abe et al., Charachterization of two virulence proteins secreted by rabbit enteropathogenic Escherichia coli, EspA and EspB, whose maximal expression is sensitive to host body temperture, <i>Infection and Immunity</i> . 65(9):3547-3555, (September 1997)					
	AE	Finlay et al., Enterpathogenic E. coli exploitation of host epithelial cells, <i>Animals of New York Academy of Sciences</i> , 797:26-31 (1996)					
	AF	Jarvis et al., Enteropathogenic Escherichia coli contains a putative type III secretion system necessary for the exporof proteins involved in attaching and effacing lesion formation, <i>PNAS, U.S.A.</i> 92(17):7996-8000 (Aug 15, 1995)					
	AG	Jarvis et al., Secretion of extracellular proteins by enterhemorrhagic Escherichia coli via a putative type III secretion system, <i>Infection and Immunity</i> . 64:(11):4826-4829 (Nov. 11, 1996)					
	AH	Kenny et al., EspA, a protein secreted by enteropathogenic Escherichia coli is required to induce signals in epithelial cells, <i>Molecular Microbiology</i> , 20(2):313-323 (1996)					
SD	AI	Kenny et al., Protein secretion by enteropathogenic Escherichia coli is essential for tranducing signals to epithelial cells, <i>PNAS, U.S.A.</i> 92(17):7991-7995 (August 15, 1995)					
EXAMINER		SD	DATE CONSIDERED		February 04		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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